Software Engineering 2

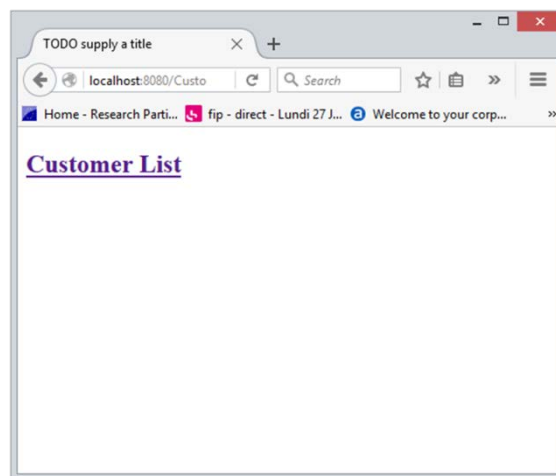*CT5106*

Assignment #3 – Persistence using JDBC

- In this assignment, you will use a data class to store information on customers.
- You will use the database.sql file which is attached to this assignment. The SQL code to create and populate the customers table is in this file.
- You will use your own database, which you have already created on danu6 as instructed in the lectures.
- You will create and use a DAO-type class to manage the interaction with the database.
- A servlet will be used to retrieve a list of customer objects which will be added to the session as a list.

The first page (index.html) will contain a href which will bring you to the servlet (getCustomers.java).

In the servlet, the customer objects will be retrieved using the CustomerDAO class, and added (as a List) to the session object as an attribute.

The servlet then forward control to a JSP page (displayCustomerSummary.jsp), where the list of Customer objects will be iterated over and displayed.

Clicking on the "**Details**" button should submit a form which calls the **displayCustomerDetails.jsp** page. A hidden field will be used to pass the **customerNumber** to this JSP page.

On the **displayCustomerDetails.jsp** page, you will use a **<c:forEach>** loop to loop over the customer objects in the session attribute, but only display the details for the customer whose **customerNumber** you have passed a request parameter to this page. You can use the **<c:if>** tag for this.